

Excellent Reasons To Stop Using Glass Gauges From Granville-Phillips . . . or Anyone Else



MICRO-ION™ Gauges — Smaller, More Rugged, Wider Range, More Burnout Resistant and Less Heat Generation than Glass Gauges

Install easily in complex, tightly packed vacuum systems

The *MICRO-ION* Gauge – the world's smallest ionization gauge – occupies less than 5% of the volume of a glass gauge. Rather than being constrained to mounting locations dictated by a bulky glass gauge, the *MICRO-ION* mounts almost any place on your system.

Rugged, all-metal design eliminates costly downtime due to glass breakage

Imagine having a glass gauge implode into your process or experiment, an event that can occur all too easily. Shards of glass everywhere in your system while the clock ticks away on your schedule and your budget is consumed by “maintenance expense.”

Wider Useable Range

Unique dual ion collectors (patent pending) and a metal envelope provide measurement up to 5×10^{-2} Torr compared to approximately 5×10^{-3} Torr for a glass gauge. And, the *MICRO-ION* has an x ray limit equivalent to that of a glass gauge (3×10^{-10} Torr).

Increased Uptime

Dual, burn-out resistant, yttria-coated iridium filaments provide long life. Unscheduled downtime is avoided by using the second filament as a backup until the gauge can be replaced during regular maintenance procedures.

Less Heat

A *MICRO-ION* Gauge requires only 8% of the power of a glass gauge. Lower power means less heat to disturb a process or experiment, less chance of

accidental burns, and less chance of melting wiring that may come in contact with the gauge.

Switching to the MICRO-ION is easy

You can use:

- *MICRO-ION* Controllers with numerous optional features, or
- Modules with a *MICRO-ION* Gauge integrated with electronics, or
- An existing Granville-Phillips controller (with adapter), or
- Other ionization gauge controllers (please inquire about adapter availability.)



If you're ready to move from the 1950's technology and drawbacks of a glass gauge to a modern alternative — that is surprisingly affordable — call us today.

GRANVILLE-PHILLIPS HELIX TECHNOLOGY CORPORATION

5675 Arapahoe Avenue
Boulder, Colorado 80303-1332, USA
Telephone (800) 776-6543 or (303) 443-7660
FAX: (303) 443-2546
Email: marketing@granville.com
Web: www.granville.com

Advanced Vacuum Measurement Solutions